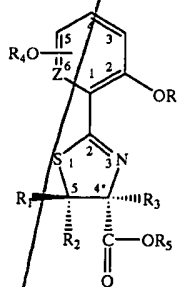


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- claim:  
1. A compound of the formula:



wherein:

Z is CH or N;

R is H or acyl;

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>5</sub> may be the same or different and represent H, alkyl or hydrocarbyl arylalkyl having up to 14 carbon atoms;

R<sub>4</sub> is H or alkyl having 1-4 carbon atoms with the proviso that:

R<sub>4</sub> is alkyl having 1-4 carbon atoms when Z is CH, R<sub>5</sub> is H and R<sub>4</sub>O is attached to the carbon atom labelled 4;

a salt thereof with a pharmaceutically acceptable acid or a pharmaceutically acceptable complex thereof.

2. A compound of claim 1 wherein Z is N and R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>4</sub>=R<sub>5</sub>=H.

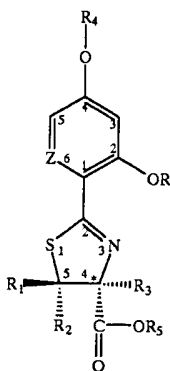
3. A compound of claim 1 wherein Z is CH, R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>4</sub> is alkyl having 1-4 carbon atoms.

4. A compound of claim 3 wherein R<sub>4</sub> is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl or t-butyl.

5. A compound of claim 1 wherein Z is N, R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>4</sub> is alkyl having 1-4 carbon atoms.

6. A compound of claim 5 wherein R<sub>4</sub> is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl or t-butyl.

7. A compound of claim 1 having the formula:



wherein:

Z, R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> have the meanings ascribed thereto in claim 1;

a salt thereof with a pharmaceutically acceptable acid or a pharmaceutically acceptable complex thereof.

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8. A compound of claim 7 wherein Z is N and R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>4</sub>=R<sub>5</sub>=H.

9. A compound of claim 7 wherein Z is CH, R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>4</sub> is alkyl having 1-4 carbon atoms.

10. A compound of claim 9 wherein R<sub>4</sub> is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl or t-butyl.

11. A compound of claim 7 wherein Z is N, R=R<sub>1</sub>=R<sub>2</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>4</sub> is alkyl having 1-4 carbon atoms.

12. A compound of claim 11 wherein R<sub>4</sub> is methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl or t-butyl.

13. A compound of claim 7 wherein Z is CH, R=R<sub>4</sub>=R<sub>1</sub>=R<sub>2</sub>=R<sub>5</sub>=H, and R<sub>3</sub> is alkyl having 1-4 carbon atoms.

14. A compound of claim 7 wherein Z is CH, R=R<sub>4</sub>=R<sub>1</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>2</sub> is alkyl having 1-4 carbon atoms.

15. A compound of claim 7 wherein Z is CH, R=R<sub>4</sub>=R<sub>3</sub>=R<sub>2</sub>=R<sub>5</sub>=H, and R<sub>1</sub> is alkyl having 1-4 carbon atoms.

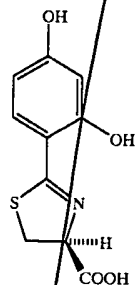
16. A compound of claim 7 wherein Z is N, R=R<sub>4</sub>=R<sub>1</sub>=R<sub>2</sub>=R<sub>5</sub>=H, and R<sub>3</sub> is alkyl having 1-4 carbon atoms.

17. A compound of claim 7 wherein Z is N, R=R<sub>4</sub>=R<sub>1</sub>=R<sub>3</sub>=R<sub>5</sub>=H, and R<sub>2</sub> is alkyl having 1-4 carbon atoms.

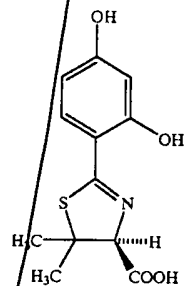
18. A compound of claim 7 wherein Z is N, R=R<sub>4</sub>=R<sub>3</sub>=R<sub>2</sub>=R<sub>5</sub>=H, and R<sub>1</sub> is alkyl having 1-4 carbon atoms.

19. An optically pure compound of claim 1 or 7.

20. An (S)-enantiomer compound of claim 7 having the formula:

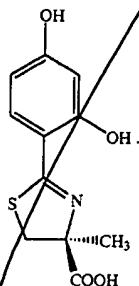


21. An (S)-enantiomer compound of claim 7 having the formula:

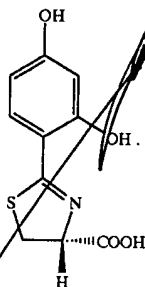


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22. An (S)-enantiomer compound of claim 7 having the formula:

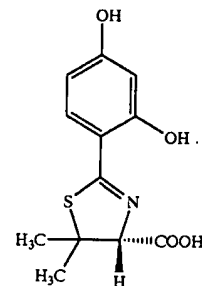


23. An (R)-enantiomer compound of claim 7 having the formula:

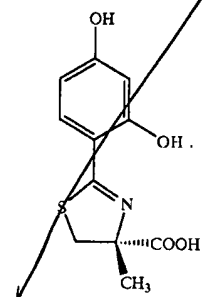


24. An (R)-enantiomer compound of claim 7 having the formula:

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25. An (R)-enantiomer compound of claim 7 having the formula:



26. A pharmaceutical composition in unit dosage form for treating a pathological condition in a human or non-human animal that is associated with an excess of a trivalent metal, ion or compound thereof comprising a therapeutically effective amount of a compound according to claim 1 or 7 and a pharmaceutically acceptable carrier therefor.

27. A method of preventing or treating a pathological condition in a human or non-human animal that is associated with an excess of a trivalent metal, ion or compound thereof comprising administering to said animal a therapeutically effective amount of a compound according to claim 1 or 7.

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